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Montana Oil and Gas STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XIV, No. 5 — 3 — May, 1966

Production of crude oil and condensate from the oil and gas areas of Montana for the month of May, 1966, averaged 98,497 barrels daily, a decrease of 486 barrels from the average April production of 98,983.

The nine refineries in state processed 84,974 barrels of crude oil daily for the month of May, 1966, an increase of 17,151 barrels from the 67,823 barrels processed daily during the month of April, 1966.

During May, 40 wells were completed, 20 oil, 1 gas well and 19 dry holes.

During May, the commission issued 37 permits to drill new wells, an increase of 3 from 34 permits issued during April.

SUMMARY OF CRUDE OIL PRODUCTION REFINING STORAGE, ETC., IN MONTANA

MONTH OF MAY, 1966

IN STORAGE MAY 1st	
By Producers	352,909
By Transporters	1,049,673
By Refiners	773,630
TOTAL STORAGE	2,176,212
Produced in Montana During Month	3,053,427
Imported During Month	1,874,256
TOTALS	7,103,895
DISPOSITION:	
Refined in Montana	2,634,219
Exported	2,151,713
Used for Fuel or Lost	10,789
TOTAL	4,796,721
IN STORAGE MAY 31st:	
By Producers	362,466
By Transporters	1,181,359
By Refiners	763,349
TOTAL STORAGE	2,307,174

NATURAL GAS WITHDRAWALS IN MONTANA

Month of May, 1966

Field	M. Cu. Ft.
Bears Den	0
Big Coulee	52,414
Bowdoin	106,525
Bowes	54,179
Cabin Creek	102,368
Cedar Creek	187,158
Cut Bank (Including Reagan)	587,796
Devon	0
Dry Creek	49,951
Elk Basin	22,427
Flat Coulee	9,523
Gold Butte	10,022
Golden Dome	0
Grandview	16,071
Hardin	4,823
Keith Block	362,283
Kevin Sunburst	51,946
Lake Basin	99,982
Middle Butte	3,980
Mt. Lilly	56,682
Pine	67,630
Plevna	14,323
Utopia	84,263
Whitlash	170,450
Miscellaneous	160,900
TOTAL	2,275,696

Total withdrawals for May, 1965 were 1,909,129 M Cu. Ft.

PRODUCERS REPORT—MONTH OF MAY, 1966

Lease	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By: Pipeline	Oil Shipped By: Truck	Used or Lost	Storage End of Month
2	Ash Creek	5	307	5,881	.....	5,894	.....	294
3	Bannatyne	3	1,345	651	.....	400	.....	1,596
1	Bascom	1	153	87	.....	.....	.....	240
4	Bear's Den	5	1,515	2,185	.....	1,930	.....	1,770
1	Belfry	1	211	72	.....	.....	.....	283
1	Benrud	1	699	2,872	3,100	.....	.....	471
1	Benrud East	1	512	10,010	10,008	.....	.....	514
2	Benrud Northeast	2	756	13,759	13,058	.....	.....	1,457
8	Big Wall	27	2,150	18,319	19,003	.....	.....	1,466
6	Blackfoot	9	2,128	5,239	3,330	2,016	.....	2,021
....	Blackfoot East	....	154	.....	.....	.....	.....	154
1	Border	3	.....	1,360	.....	1,360	.....	.....
1	Bowes	51	4,489	17,275	15,891	.....	.....	5,873
2	Bradley	2	467	975	353	.....	.....	1,089
2	Brady	5	72	809	809	.....	.....	72
....	Bynum	....	75	.....	.....	.....	.....	75
2	Cabin Creek	102	6,293	266,261	265,761	.....	.....	6,793
15	Cat Creek	90	2,990	16,627	15,802	.....	.....	3,815
1	Clark's Fork	1	152	192	.....	154	.....	190
3	Conrad South	3	990	569	569	.....	.....	990
1	Cupton	1	1,410	875	.....	399	.....	1,886
194	Cut Bank	1,089	103,042	363,654	348,604	9,493	2,936	105,663
3	Deer Creek	4	1,750	3,993	3,876	.....	.....	1,867
1	Delphia	1	144	739	.....	584	.....	299
....	Devil's Basin	....	451	.....	.....	.....	.....	451
1	Dry Creek	1	50	354	.....	354	.....	50
14	Dwyer	15	7,246	30,597	31,674	.....	.....	6,169
4	Elk Basin	55	1,633	241,077	241,058	.....	.....	1,652
5	Elk Basin Northwest	16	2,657	20,021	19,438	.....	.....	3,240
1	Fairview	1	1,691	15,107	.....	14,949	.....	1,849
3	Fertile Prairie	3	1,256	2,276	752	1,714	.....	1,066
24	Flat Coulee	30	4,332	21,842	22,106	.....	.....	4,068
25	Flat Lake	39	7,994	93,835	95,405	.....	.....	6,424
2	Frannie	2	.....	1,228	1,228	.....	.....	.....
17	Fred & George Creek	39	2,137	141,791	141,858	.....	.....	2,070
1	Gage	1	747	385	.....	553	.....	579
....	Gage Southwest	....	269	.....	.....	.....	.....	269
4	Gas City	28	5,966	51,800	40,356	11,229	.....	6,181
9	Glendive	15	4,127	42,234	29,626	10,140	.....	6,595
19	Goose Lake	21	3,846	66,233	66,757	.....	1	3,321
9	Graben Coulee	23	3,451	23,414	20,452	2,173	.....	4,240
....	Grandview	....	112	.....	.....	.....	.....	112
2	Gypsy Basin	3	9,200	730	534	398	.....	8,998
1	Hibbard	1	772	437	.....	978	.....	231
8	Ivanhoe	15	1,985	19,578	19,128	.....	120	2,315
11	Keg Coulee	27	7,034	44,026	45,003	.....	2	6,055
2	Keg Coulee North	2	620	2,448	2,215	.....	.....	853
125	Kevin Sunburst	697	17,613	40,920	37,334	3,462	.....	17,737
3	Little Beaver	32	3,413	37,275	35,285	336	1,267	3,800
2	Little Beaver East	14	1,487	19,865	19,370	.....	.....	1,982
2	Lodge Grass	2	965	1,628	.....	1,723	.....	870
3	Lone Tree	3	1,162	4,000	.....	4,000	.....	1,162
24	Lookout Butte	73	3,359	135,399	132,705	.....	441	5,612
....	Mackay Dome	....	770	.....	.....	.....	.....	770
2	Mason Lake	2	356	2,277	2,055	.....	.....	578
2	Melstone	5	742	3,155	2,726	.....	.....	1,171
1	Mineral Bench	1	480	3,122	2,779	.....	.....	823
2	Miner's Coulee	3	149	8,551	8,285	.....	.....	415
7	Monarch	11	3,133	13,950	15,085	.....	.....	1,998
4	Mosser	4	.....	773	.....	773	.....	.....
7	Outlook	12	8,724	45,412	45,180	.....	.....	8,956
2	Outlook South	2	1,454	2,307	2,304	.....	.....	1,457
66	Pennel	111	6,304	176,001	177,461	.....	182	4,662
4	Pine	125	14,752	347,846	348,121	.....	499	13,978
3	Pole Creek	5	479	2,228	.....	1,129	.....	1,578
67	Pondera	313	9,309	29,201	29,214	.....	.....	9,296
2	Pondera Coulee	3	.....	1,353	1,353	.....	.....	.....
5	Poplar East	73	10,233	76,941	78,190	.....	90	8,894
4	Poplar Northwest	5	2,690	1,552	1,716	.....	.....	2,526
2	Prairie Elk	2	1,424	1,099	.....	1,614	.....	909
4	Ragged Point	13	1,584	4,082	3,472	.....	.....	2,194
3	Ranch Creek	3	965	2,748	.....	2,272	5	1,436
4	Reagan	43	2,895	18,158	18,900	.....	.....	2,153
1	Red Creek	27	280	25,211	24,980	511	.....	.....
1	Redstone	1	485	923	1,100	.....	.....	308
1	Repeat	1	465	1,781	.....	1,908	.....	338
1	Richey	1	1,777	618	683	.....	.....	1,712
6	Richey Southwest	8	2,726	11,603	.....	11,132	.....	3,197
4	Sand Creek	5	.....	7,053	7,053	.....	.....	.....
1	Shotgun Creek	1	261	704	.....	719	.....	246
2	Sidney-Brorson	2	1,955	1,965	.....	2,344	.....	1,576
2	Snyder	4	2,310	557	.....	558	.....	2,309
5	Soap Creek	9	4,094	4,532	.....	4,836	.....	3,790
2	Spring Lake	3	2,978	4,192	.....	3,330	.....	3,840
2	Stensvad	24	5,815	35,680	37,313	.....	.....	4,182
31	Sumatra	88	9,622	69,242	67,781	.....	.....	11,083
5	Tule Creek	7	2,833	40,342	.....	40,193	.....	2,982
2	Tule Creek East	2	409	28,978	18,284	10,586	.....	517
1	Tule Creek South	1	927	5,722	.....	6,019	.....	630
2	Vida	2	617	3,338	.....	3,353	.....	602
4	Volt	6	2,837	24,089	23,595	.....	.....	3,331
7	Weldon	18	2,679	188,376	187,241	.....	.....	3,814
15	Whitlash	40	8,744	22,300	22,398	.....	200	8,446
1	Whitlash West	1	140	206	206	.....	.....	140
2	Wills Creek South	2	1,091	7,793	7,463	.....	.....	1,421
7	Wolf Springs	12	3,855	28,997	27,800	.....	.....	5,052
3	Woodrow	4	400	4,409	4,258	.....	.....	551
....	Wildcat, Carbon County	....	50	.....	.....	.....	.....	50
1	Wildcat, Glacier County	1	126	147	.....	.....	.....	273
....	Wildcat, Liberty County	....	305	.....	.....	.....	.....	305
1	Wildcat, Richland County	1	928	2,125	.....	2,298	.....	755
1	Wildcat, Roosevelt County	1	153	573	.....	486	.....	240
1	Wildcat, Sheridan County	1	225	311	.....	383	.....	153
879	Total	3,574	352,909	3,053,427	2,869,444	168,683	5,743	362,466

Total Oil Produced and Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1965	32,778,118	89,803	32,787,648	89,829
First Quarter, 1966	8,617,148	95,746	8,589,395	95,437
April, 1966	2,969,498	98,983	2,957,182	98,572
May, 1966	3,053,427	98,497	3,038,127	98,004

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1965	331,221	946,634	498,990	1,776,845
March, 1966	347,070	1,048,199	675,920	2,071,189
April, 1966	352,909	1,049,673	773,630	2,176,212
May, 1966	362,466	1,181,359	763,349	2,307,174

*Includes Wyoming Oil

TRANSPORTERS MONTHLY REPORT—MONTH OF MAY, 1966

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			5,894				5,894		
BANNATYNE—Truck			400			400			
BEAR'S DEN—Truck			1,930					1,930	
BIG WALL—Continental Pipeline Co.		19,003				19,003			
BLACKFOOT—									
Camerland Cardinal Corp.			2,016			2,016			
Union Oil Co.		3,330				3,330			
		3,330	2,016			5,346			
BORDER—Truck			1,360					1,360	
BOWES—Texaco Inc.		15,891				15,891			
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	323,952	890,296	48,227	863,498			1,821,618		304,355
Shell Pipeline Co.	5,120	356,485		1,069	(50)			356,415	6,309
	329,072	1,246,781	48,227	864,567	(50)		1,821,618	356,415	310,664
CAT CREEK—Continental Pipeline Co.		13,388				13,388			
CLARK'S FORK—Truck			154				154		
CUT BANK—									
Continental Pipeline Co.			9,905	430,305		440,210			
Phillips Petroleum Co.	86,037	68,558		40,640	79	96,548			98,608
Producers Pipe Line Co.	20,030	48,841	4,869					39,135	34,605
Texas Pipeline Co.	29,056	62,253		38,597	200			100,818	28,888
Union Oil Co.	48,226	81,455		17,112	2,783	20,565			123,445
Western Oil Trans. Co.	33,856	48,454		171,021	484			185,441	67,406
Western Oil Trans. (Moulton)		142,666			1,427			141,239	
	217,205	452,227	14,774	697,675	4,973	557,323		466,633	352,952
DELPHIA—Truck			584			584			
DRY CREEK—Truck			354			354			
DWYER—Portal Pipeline Co.		31,381					31,381		
ELK BASIN & ELK BASIN NORTHWEST—Marathon Pipeline Co.		260,234				260,234			
FAIRVIEW—Rock Island Oil & Ref. Co.			14,949				14,949		
FLAT COULEE—									
Camerland Cardinal Corp.		20,422						20,422	
FLAT LAKE—Portal Pipeline Co.		95,305					95,305		
FRANNIE—Interstate Pipeline Co.		1,228					1,228		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	19,852	145,595						141,546	23,901
GAGE & GAGE S.W.—Truck			553			553			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	6,936	43,298			172			43,357	6,705
GOOSE LAKE—Portal Pipeline Co.		65,872					65,872		
HIBBARD—Truck			978			978			
IVANHOE—Continental Pipeline Co.		19,066				15,718		3,348	
KEG COULEE & KEG COULEE NORTH—Continental Pipeline Co.		32,443				19,152	13,291		
KEVIN SUNBURST—									
Big West Oil Co.	5,312	26,658				26,799		1,264	3,907
Homestake Oil & Gas Co.	839	3,434		2,849		5,574			1,548
Producers Pipeline Co.			1,263					1,263	
Texas Pipeline Co.	8,074	13,391			(51)			13,803	7,713
	14,225	43,483	1,263	2,849	(51)	32,373		16,330	13,168
LODGE GRASS—McWood Corp.			1,723						1,723
LONE TREE—Truck			4,000				4,000		
MASON LAKE—Continental Pipeline Co.		2,055				2,055			
MELSTONE—Continental Pipeline Co.		2,727				2,727			
MOSSER—Truck			773					773	
POLE CREEK—Truck			1,129				1,129		
PONDERA—Phillips Petr. Co.	51,869	30,809			2	43,432			39,244
POPLAR, BENRUD, BENRUD EAST, OUTLOOK, OUTLOOK SOUTH, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT—									
East Poplar Gathering System	16,759	241,903			(71)			243,189†	15,544
RAGGED POINT—									
Continental Pipeline Co.		2,491				1,875	616		
RANCH CREEK—									
Rock Island Oil & Ref. Co.			2,272				2,272		
RED CREEK—									
Western Oil Transportation Co.		25,727			258			25,469	
SHOTGUN CREEK—Truck			719				719		
SIDNEY-BRORSON—McWood Corp.	8,233		2,344	6,865				11,571	5,871
SNYDER—Truck			558			558			
SOAP CREEK—McWood Corp.	757		4,836						5,593
SPRING LAKE—									
Rock Island Oil & Ref. Co.			3,330				3,330		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	377,652	104,642		450,570	(423)	100,037		431,439	401,811
TULE CREEK—Tesoro Petr. Corp.	7,113		50,779			53,709			4,183
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		21,758						21,758	
WOLF SPRINGS—									
Continental Pipeline Co.		28,856				28,856			
WILDCAT WELLS—Truck			2,784				2,784		
TOTALS	1,049,673	2,969,915	168,683	2,022,526	4,810	1,174,546	2,064,542	1,785,540	1,181,359

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

†Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF MAY, 1966

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall	.....	.....	.....	19,003	.....	.....	.....	.....	.....	19,003
Bowes	.....	.....	6,173	.....	.....	.....	.....	.....	.....	6,173
Cat Creek	.....	11,336	.....	.....	.....	2,037	.....	.....	.....	13,373
Cut Bank	.....	.....	.....	.....	.....	.....	23,473	.....	5,949	29,422
Delphia	.....	.....	.....	.....	.....	365	.....	.....	.....	365
Elk Basin	.....	99,270	.....	64,643	96,320	.....	.....	.....	.....	260,233
Gage & Gage S.W.	.....	.....	.....	.....	.....	879	.....	.....	.....	879
Hibbard	.....	.....	.....	.....	.....	708	.....	.....	.....	708
Ivanhoe	.....	.....	.....	449	15,269	.....	.....	.....	.....	15,718
Keg Coulee	.....	2,702	.....	16,450	.....	.....	.....	.....	.....	19,152
Kevin Sunburst	13,555	.....	.....	.....	.....	.....	.....	.....	18,818	32,373
Mason Lake	.....	2,055	.....	.....	.....	.....	.....	.....	.....	2,055
Melstone	.....	.....	.....	2,727	.....	.....	.....	.....	.....	2,727
Pondera	.....	.....	.....	.....	.....	.....	117,073	.....	.....	117,073
Ragged Point	.....	981	.....	894	.....	.....	.....	.....	.....	1,875
Red Creek	.....	.....	.....	.....	34,233	.....	.....	.....	.....	34,233
Richey Southwest	.....	.....	.....	.....	.....	30	.....	.....	.....	30
Sand Creek	.....	.....	.....	.....	.....	1,739	.....	.....	.....	1,739
Sumatra & Stensvad	.....	16,362	.....	83,675	13,954	.....	.....	.....	.....	113,991
Tule Creek	.....	.....	.....	.....	.....	.....	.....	53,886	.....	53,886
Wolf Springs	.....	.....	.....	.....	34,955	.....	.....	.....	.....	34,955
Total Montana Oil	13,555	132,706	6,173	187,841	194,731	5,758	140,546	53,886	24,767	759,963
Canadian Oil Imported	.....	430,305	.....	.....	.....	.....	.....	.....	1,629	431,934
Wyoming Oil Imported	.....	188,398	.....	350,941	902,983	.....	.....	.....	.....	1,442,322
Total Montana, Canadian and Wyoming Oil	13,555	751,409	6,173	538,782	1,097,714	5,758	140,546	53,886	26,396	2,634,219

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1965	32,792	12,751	44,980	90,523
May, 1965	29,686	14,390	38,816	82,892
May, 1966	24,514	13,933	46,527	84,974

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1965	36.22%	14.10%	49.68%
May, 1965	35.81%	17.37%	46.82%
May, 1966	28.84%	16.41%	54.75%